

Input and Sharing of Infectious Disease Data at the Grassroots Level

Anna Stapleton

Computer Systems Lab 2009-2010

Abstract

The purpose of the project is to create a user-friendly database and interface which can be used to enter, manipulate, and view pertinent data on individual patient case reports. Users will be able to view data grouped by date, diagnosis, etc. The goal is to make meaningful patient data easily available both for doctors in the field and scientists studying disease outbreaks. A longterm possibility is for this system to be implemented using One Laptop Per Child computers.

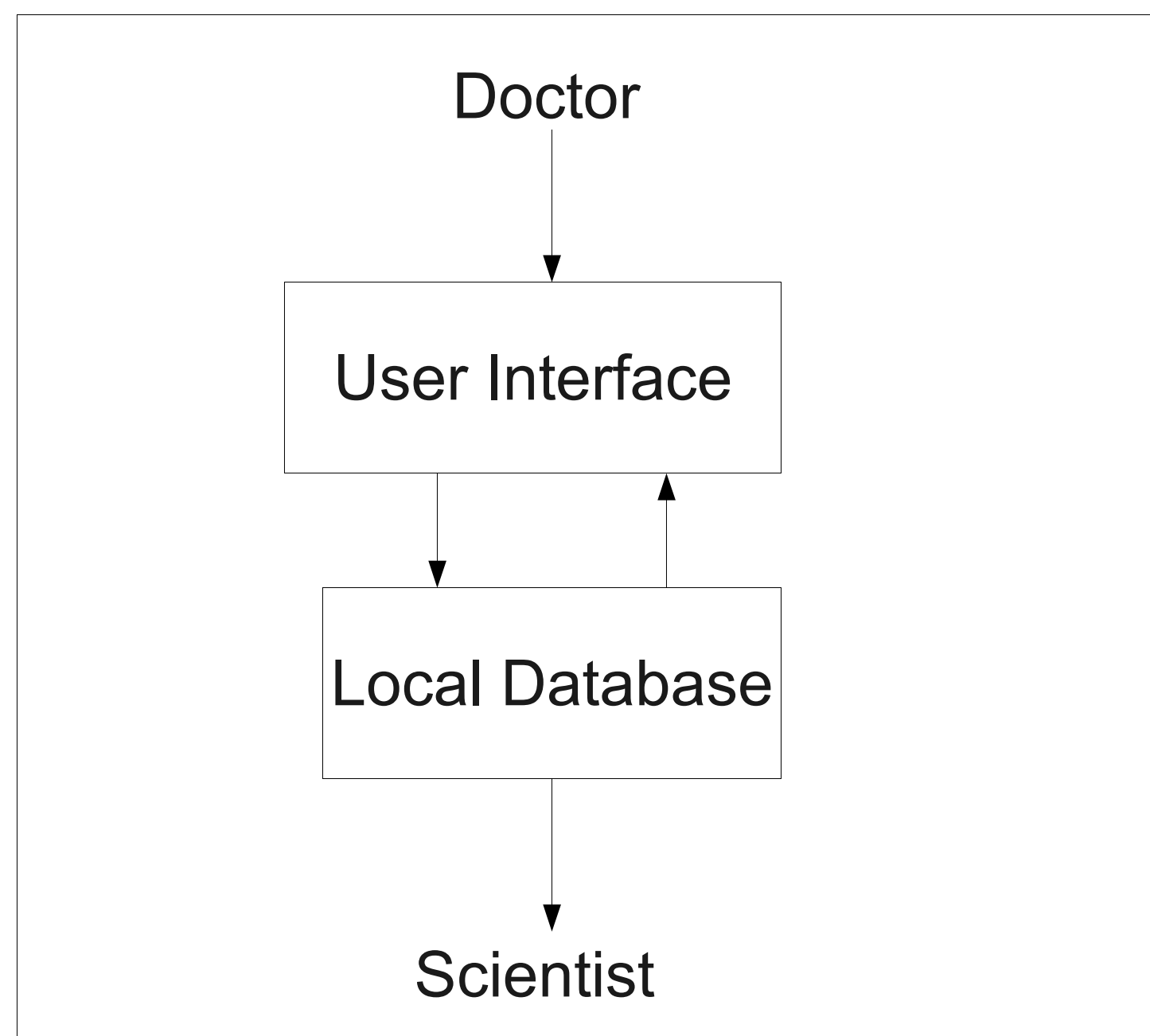


Figure 2: A basic flow chart for the communication of information

Background

This project involves manipulating a MySQL database via a user interface programmed in PHP and HTML. A cursory literature review found an article about the socio-technical challenges of implementing such database systems in clinics, such as the inflexibility in terms available to describe individual cases.

Discussion

A major component of the project is keeping in mind the computing abilities of the user and the information needed for effective disease surveillance. These needs were addressed by...

Results and Conclusions

To be determined.....

Confidential Morbidity Report

Date (mmddyy):

Patient Last Name:

Patient First Name:

DOB (mmddyy):

Age:

Gender (M or F):

Diagnosis :

Lab confirmation?:

Fatal?:

Figure 1: A screenshot of the data input interface.